09/889,539

IN THE ABSTRACT:

Please replace the current abstract with the enclosed abstract.

ABSTRACT

~~Method and apparatus for calculating a discrete orthogonal transform such as FFT or IFFT.~~ The invention comprises a method for calculating an orthogonal discrete transform on the basis of the DIT method in prescribed intermediate steps ~~has~~ with the following steps: ~~a)~~ the data are read from a memory organized on page-for-page basis~~;~~; ~~b)~~ the intermediate step prescribed by the transform is carried out~~;~~; ~~c)~~ the resulting data are stored in a buffer memory; and ~~d)~~ the resulting data are written page-for-page from the buffer memory to the memory organized on a page-for-page basis. Suitable discrete orthogonal transforms are FFT, IFFT, DCT, IDCT and transforms of similar structure.